Attorney's Docket No.

PATENT

IN THE UNITED STATES PATENT A

Box Patent Application Assistant Commissioner for Patents Washington, D.C. 20231



NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s):

JOHN Y. Chen

WARNING: Patent must be applied for in the name(s) of all of the actual inventor(s). 37 CFR 1.41(a) and 1.53(b).

For (title):

TEAR RESISTANT ELASTIC GRYSTAL GELS SUITABLE FOR INFLATABLE RESTRAINT CUSHIONS AND OTHER USES

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date. in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number 1/2 to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

(type or print name of pers

Signature of person mailing paper

NOTE: Each paper or fee referred to as enclosed herein has the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 CFR 1.10(b).

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 CFR 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

(Application Transmittal [4-1]-page 1 of 9)





1. Type of Application

informal

This new application is for a(n)

(check one applicable item below)

X (Original (nonprovisional)
` d` ı	Design
[☐ Plant
WARNING:	Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. 371(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application.
WARNING:	Do not use this transmittal for the filing of a provisional application.
TRA	ne of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW APPLICATION ANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and a NOTIFICATION PARENT APPLICATION OF THE FILING OF THIS CONTINUATION APPLICATION.
	Divisional.
	Continuation.
₩ (Continuation-in-part (C-I-P).
/ \	of Prior U.S. Application(s) (35 U.S.C. 119(e), 120, or 121)
case of a ADI	te new application being transmitted is a divisional, continuation or a continuation-in-part of a parent e, or where the parent case is an International Application which designated the U.S., or benefit a prior provisional application is claimed, then check the following item and complete and attach DED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICA- N(S) CLAIMED.
WARNING:	If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. 120, 121 or 365(c). (35 U.S.C. 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.
WARNING:	When the last day of pendency of a provisional application falls on a Saturday, Sunday, or Federal holiday within the District of Columbia, any nonprovisional application claiming benefit of the provisional application must be filed prior to the Saturday, Sunday, or Federal holiday within the District of Columbia. See 37 C.F.R. § 1.78(a)(3).
t	The new application being transmitted claims the benefit of prior U.S. application(s) and enclosed are ADDED PAGES FOR NEW APPLICATION TRANSMITFAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.
3. Papers	Enclosed That Are Required for Filing Date under 37 CFR 1.53(b)
	r) or 37 CFR 1.153 (Design) Application
	ges of specification
	ges of claims
	ges of Abstract
<u> ŽU</u> She	eets of drawing
€	ormal .



WARNING: DO NOT submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. Comments on proposed new 37 CFR 1.84. Notice of March 9, 1988 (1990 O.G. 57-62).

NOTE: "Identifying indicia, if provided, should include the application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application. This information should be placed on the back of each sheet of drawing a minimum distance of 1.5 cm. (5/8 inch) down from the top of the page." 37 C.F.R. 1.84(c)).

(complete the following, if applicable)

		The enclosed drawing(s) are photograph(s), and there is also attached a 'PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. 1.84(b).
1.	Additi	nal papers enclosed
		Preliminary Amendment
		Information Disclosure Statement (37 CFR 1.98)
		Form PTO-1449
		Citations
		Declaration of Biological Deposit
		Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleotide and/or amino acid sequence.
		Authorization of Attorney(s) to Accept and Follow Instructions from Representative
		Special Comments
		Other
5.	Decla	ation or oath
	X	Enclosed
	•	Executed by
		(check all applicable boxes)
		(inventor(s).
		legal representative of inventor(s). 37 CFR 1.42 or 1.43.
		joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.
		This is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 13 below for fee.
		Not Enclosed.
1	WARNIN	Where the filing is a completion in the U.S. of an International Application, but where a declaration is not available, or where the completion of the U.S. application contains subject matter in addition

to the International Application, the application may be treated as a continuation or continuation-inpart, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE

BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.

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Application is made by a person authorized under 37 CFR 1.41(c) on behalf of all the above named inventor(s).
(The declaration or oath, along with the surcharge required by 37 CFR 1.16(e) can be filed subsequently).
NOTE: It is important that all the correct inventor(s) are named for filing under 37 CFR 1.41(c) and 1.53(b).
Showing that the filing is authorized. (not required unless called into question. 37 CFR 1.41(d))
6. Inventorship Statement
WARNING: If the named inventors are each not the inventors of all the claims an explanation, including the ownership of the various claims at the time the last claimed invention was made, should be submitted.
The inventorship for all the claims in this application are:
"political control of the same."
or
Not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,
is submitted.
☐ will be submitted.
7. Language
NOTE: An application including a signed oath or declaration may be filed in a language other than English. A verified English translation of the non-English language application and the processing fee of \$130.00 required by 37 CFR 1.17(k) is required to be filed with the application, or within such time as may be set by the Office. 37 CFR 1.52(d).
NOTE: A non-English oath or declaration in the form provided or approved by the PTO need not be translated. 37 CFR 1.69(b).
∑ English
` Non-English
☐ The attached translation is a verified translation. 37 CFR 1.52(d).
8. Assignment
An assignment of the invention toApplied Elastomerics Truc.
☐ is attached. A separate ☐ "COVER SHEET FOR ASSIGNMENT (DOCUMENT) ACCOMPANYING NEW PATENT APPLICATION" or ☐ FORM PTO 1595 is also attached.
√ will follow.
NOTE: "If an assignment is submitted with a new application, send two separate letters-one for the application and one for the assignment." Notice of May 4, 1990 (1114 O.G. 77-78).
WARNING: A newly executed "CERTIFICATE UNDER 37 CFR 3.73(b)" must be filed when a continuation-in-part application is filed by an assignee. Notice of April 30, 1993, 1150 O.G. 62-64.

(Application Transmittal [4-1]—page 4 of 9)

9.	Cei	rtifie	d C	opy
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Certified copy(ies) of application(s)

country	appin. no.		filed
country	appin. no.		filed
country	appin. no.		filed
from which priority is claimed			
is (are) attached.	•		
☐ will follow.			
NOTE: The foreign application form declaration. 37 CFR 1.55(a)	•	im for priority must be	referred to in the oath or
NOTE: This item is for any foreign U.S. application or Internation 120 is itself entitled to prior PAGES FOR NEW APPLICA CLAIMED.	onal Application from which ity from a prior foreign ap	ch this application clain oplication, then comple	ns benefit under 35 U.S.C. te item 18 on the ADDED
10. Fee Calculation (37 CFR	1.16)		
A. Regular application			•
	CLAIMS AS FIL	_ED	
Number filed	Number Extra	Rate	Basic Fee 37 CFR 1.16(a) \$750.00
Total Claims (37 CFR 1.16(c)) 6 - 2	20 =	× \$ 22.00	
Independent Claims (37 CFR 1.16(b)) 5 -	3 = 2	× \$ 78.00	164
Multiple dependent claim(s), if any (37 CFR 1.16(d))		+ \$250.00	
Amendment cancell	ing extra claims end	closed.	
☐ Amendment deleting	g multiple-depender	ncies enclosed.	
☐ Fee for extra claims	s is not being paid	at this time.	
NOTE: If the fees for extra claims an prior to the expiration of the notice of fee deficiency. 37	e not paid on filing they me e time period set for resp	ust be paid or the claims	
F	Filing Fee Calculatio	n	\$ 127

В.		Design application (\$310.00—37 CFR		
			Filing Fee Calculation	\$
C.		Plant application (\$510.00—37 CFR	-	\$
11.	Sma	II Entity Statement	_	
			(s) that this is a filing by a small entity (under 37 CFR 1.9 and
WA	RNING	including applications or patent in which the under 35 U.S.C. 119(filed in the prior app statement in the prio	ity in one application or patent does not affect any is or patents which are directly or indirectly depeted in status has been established. A nonprovisional sel, 120, 121 or 365(c) of a prior application included it is in the nonprovisional application included in application or includes a copy of the verified as a small entity is still proper and desired." 37 of the still proper and desired."	ndent upon the application application claiming benefit rely on a verified statement as a reference to a verified statement filed in the prior
		(coi	mplete the following, if applicable)	
		Status as a small	entity was claimed in prior application	
		/	r this application under:	
		35 U.S.C. 11 12 12 12 13 14 15 15 15 15 15 15 15	20,	
		and which status	as a small entity is still proper and de	esired.
		☐ A copy of the	e verified statement in the prior application	ation is included.
Filing	Fee	Calculation (50% o	f A, B or C above)	\$
NOT	W	ny excess of the full fee thin 2 months of the da nder § 1.136. 37 CFR 1.	paid will be refunded if a verified statement and te of timely payment of a full fee. The two-mont 28(a).	I a refund request are filed th period is not extendable
12.	Requ	est for Internation	nal-Type Search (37 CFR 1.104(d))	
			(complete, if applicable)	
		Please prepare an i when national exam	nternational-type search report for this a mination on the merits takes place.	application at the time

13. Fe	e Payn	nent Being Made at This Time	
] Not	Enclosed	
		No filing fee is to be paid at this time. (This and the surcharge required by 37 CFR 1 quently.)	.16(e) can be paid subse-
] Enc	losed	~ 1. M
		Basic filing fee	\$ <u>//90</u>
		Recording assignment (\$40.00; 37 CFR 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION".)	164 954 TOTA
		Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached. (\$130.00; 37 CFR 1.47 and 1.17(h))	\$
		For processing an application with a specification in a non-English language. (\$130.00; 37 CFR 1.52(d) and 1.17(k))	\$
		Processing and retention fee (\$130.00; 37 CFR 1.53(d) and 1.21(l))	\$
		Fee for international-type search report (\$40.00; 37 CFR 1.21(e))	\$
NOTE:	to comp 1.53 an filing fee	1.21(I) establishes a fee for processing and retaining any applicate the application pursuant to 37 CFR 1.53(d) and this, as d 1.78, indicate that in order to obtain the benefit of a prior e must be paid, or the processing and retention fee of § 1.21(it to number § 53(d).	s well as the changes to 37 CFR U.S. application, either the basic
	nounca.	Total fees enclosed	, 954,
14. Me	ethod (of Payment of Fees	Ch#3333
] Cha	arge Account No in the amoun uplicate of this transmittal is attached.	nt of \$
NOTE:	Fees sh 1.22(b).	nould be itemized in such a manner that it is clear for which p	ourpose the fees are paid. 37 CFR

15. AL	uthorization to Charge Addition	al Fees
WARN	ING: If no fees are to be paid on filing,	the following items should not be completed.
WARN	ING: Accurately count claims, especially if extra claim charges are authorized	multiple dependent claims, to avoid unexpected high charges, ad.
C		authorized to charge the following additional fees entire pendency of this application to Account No.
	☐ 37 CFR 1.16(a), (f) or (g)	(filing fees)
	☐ 37 CFR 1.16(b), (c) and ((d) (presentation of extra claims)
NOTE:	must only be paid or these claims cand set for response by the PTO in any not	tiple dependent claims not paid on filing or on later presentation elled by amendment prior to the expiration of the time period ice of fee deficiency (37 CFR 1.16(d)), it might be best not to laim fees, except possibly when dealing with amendments after
		e for filing the basic filing fee and/or declaration filing date of the application)
	☐ 37 CFR 1.17 (application	processing fees)
WARNI	should be made only with the know	deal with extensions of time under § 1.136(a), this authorization ledge that: "Submission of the appropriate extension fee under a request or petition for extension is filed." (Emphasis added). O.G. 27).
	☐ 37 CFR 1.18 (issue fee at to 37 CFR 1.311(b))	or before mailing of Notice of Allowance, pursuant
NOTE:	Where an authorization to charge the iss of a Notice of Allowance, the issue fee w of mailing the notice of allowance. 37 (sue fee to a deposit account has been filed before the mailing will be automatically charged to the deposit account at the time CFR 1.311(b).
NOTE:	be filed in the application prior to pa of 37 CFR 1.28(b): (a) notification of cha	any change in loss of entitlement to small entity status must ying, or at the time of paying, issue fee." From the wording ange of status must be made even if the fee is paid as "other on is required if the change is to another small entity.
16. Ins	structions as to Overpayment	
	Credit Account No.	/////////////////////////////////////
×	Z Refund	Galen J. Chan
Reg. No	. 29,782	APPLIED ELASTOMERICS, INC
Tel. No.	.(650) 355-0177	(type or print land of Additional Blvd., Pacifica, Calif. 94044
1336	ED ELASTOMERICS, INC Oddstad Blvd., Pacifica, Calif. 94044	P.O. Address

(Application Transmittal [4-1]—page 8 of 9)

Incor	poration by reference of added pages
	(check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED)
	Plus Added Pages for New Application Transmittal Where Benefit of Prior U.S Application(s) Claimed
	Number of pages added
	Plus Added Pages for Papers Referred to in Item 4 Above
	Number of pages added
	Plus "Assignment Cover Letter Accompanying New Application"
	Number of pages added
State	ment Where No Further Pages Added
	(if no further pages form a part of this Transmittal, then end this Transmitta with this page and check the following item.)
	This transmittal ends with this page.

	25	
Attorney's Docket No	<u> </u>	 PATEN

ADDED PAGES FOR APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED

NOTE: "In order for an application to claim the benefit of a prior filed copending national application, the prior application must name as an inventor at least one inventor named in the later filed application and disclose the named inventor's invention claimed in at least one claim of the later filed application in the manner provided by the first paragraph of 35 U.S.C. 112." 37 CFR 1.78(a).

NOTE: "In addition the prior application must be (1) complete as set forth in § 1.51, or (2) entitled to a filing date as set forth in § 1.53(b) and include the basic filing fee set forth in § 1.16; or (3) entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(l) within the time period set forth in § 1.53(d)." 37 CFR 1.78(a).

17. Relate Back

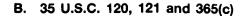
WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. 120, 121 or 365(c). (35 U.S.C. 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. 119, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

(complete the following, if applicable)

	Amend the specification by inserting, before the	ne first line, the following sentence:
A. 35	U.S.C. 119(e)	
NOTE:	"Any nonprovisional application claiming the benefit of one applications must contain or be amended to contain in the the title a reference to each such prior provisional application and including the provisional application number (consisting of \$ 1.78(a)(4).	first sentence of the specification following n, identifying it as a provisional application,
	"This application claims the benefit of U.S. F	Provisional Application(s) No(s).:
APPLIC	CATION NO(S).:	FILING DATE
	_ /	
	. /	
	. /	

Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed

[4-1.1]—page 1 of 5)



prior application, identifying it by application number (consisting of the series code and serial number) or international application number and international filing date and indicating the relationship of the applications. Cross-references to other related applications may be made when appropriate. (See § 1.14(b))." 37 C.F.R. § 1.78(2). "This application is a continuation continuation-in-part see under related Applications divisional of copending application(s) □ application number 0 /_ ____ filed on _____ International Application _ and which designated the U.S." NOTE: The proper reference to a prior filed PCT application that entered the U.S. national phase is the U.S. serial number and the filing date of the PCT application that designated the U.S. NOTE: (1) Where the application being transmitted adds subject matter to the International Application, then the filing can be as a continuation-in-part or (2) if it is desired to do so for other reasons then the filing can be as a continuation. "The nonprovisional application designated above, namely application _____, filed _____, claims the benefit of U.S. Provisional Application(s) No(s).: APPLICATION NO(S).: See Related Applications NOTE: The deadline for entering the national phase in the U.S. for an international application was clarified

NOTE: "Any nonprovisional application claiming the benefit of one or more prior filed copending nonprovisional applications or international applications designating the United States of America must contain or be amended to contain in the first sentence of the specification following the title a reference to each such

"The Patent and Trademark Office considers the International application to be pending until the 22nd month from the priority date if the United States has been designated and no Demand for International Preliminary Examination has been filed prior to the expiration of the 19th month from the priority date and until the 32nd month from the priority date if a Demand for International Preliminary Examination which elected the United States of America has been filed prior to the expiration of the 19th month from the priority date, provided that a copy of the international application has been communicated to the Patent and Trademark Office within the 20 or 30 month period respectively. If a copy of the international application has not been communicated to the Patent and Trademark Office within the 20 or 30 month period respectively, the international application becomes abandoned as to the United States 20 or 30 months from the priority date respectively. These periods have been placed in the rules as paragraph (h) of § 1.494 and paragraph (i) of § 1.495. A continuing application under 35 U.S.C. 365(c) and 120 may be filed anytime during the pendency of the international application."

in the Notice of April 28, 1987 (1079 O.G. 32 to 46) as follows:

18. Relate Back—35 U.S.C. 119 Priority Claim for Prior Application

The prior U.S. application(s), including any prior International Application designating the U.S., identified above in item 17B, in turn itself claim(s) foreign priority(ies) as follows:

	country	appin. no.	filed on
The cert	ified copy(ies) has (have)	
	been filed on	• • • • • • • • • • • • • • • • • • • •	/, which was
	is (are) attached.		
WARNING.	the International Burea application in the col application communica U.S. serial number urstage is not entered. prosecution of a contidocuments from the foto request transfer, retrenter and make a recothe priority documents.	tu may not be relied on without any new ntinuing application. This is so becaused by the International Bureau is publics the national stage is entered. Such Therefore, such certified copies may induing application. An alternative would liders and transfer them to the continuing rieve the folders, make suitable record and of such copies in the Continuing Applications.	e been communicated to the PTO by ed to file a certified copy of the priority ause the certified copy of the priority placed in a folder and is not assigned in folders are disposed of if the national not be available if needed later in the d be to physically remove the priority and application. The resources required notations, transfer the certified copies, oplication are substantial. Accordingly, as that have not entered the national 10 O.G. 32 to 46).
19. Mai	ntenance of Cop	endency of Prior Applica	tion
re.		papers constituting the filing of the	or application extending the term for a continuation application. Notice of
A. 🗆	Extension of time i	n prior application	
(This		apleted and the papers filed in od set in the prior application	
	A petition, fee and until	response extends the term in	the pending prior application
	☐ A copy of the	petition filed in prior applicati	ion is attached.
B. 🗆	Conditional Petition	n for Extension of Time in Price	or Application
	(complete t	this item, if previous item not	applicable)
	A conditional petiti application.	ion for extension of time is be	eing filed in the pending prior
	☐ A copy of the	conditional petition filed in the	e prior application is attached.

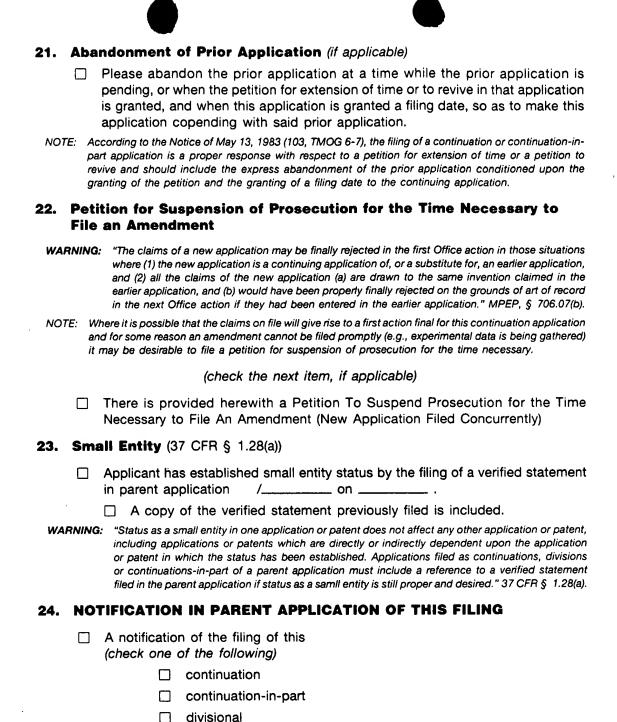


NOTE: "If the continuation, continuation-in-part, or divisional application is filed by less than all the inventors named in the prior application a statement **must** accompany the application when filed requesting deletion of the names of the person or persons who are not inventors of the invention being claimed in the continuation, continuation-in-part, or divisional application." 37 CFR 1.62(a) [emphasis added]. (dealing with the file wrapper continuation situation).

NOTE: "In the case of a continuation-in-part application which adds and claims additional disclosure by amendment, an oath or declaration as required by § 1.63 must be filed. In those situations where a new oath or declaration is required due to additional subject matter being claimed, additional inventors may be named in the continuing application. In a continuation or divisional application which discloses and claims only subject matter disclosed in a prior application, no additional oath or declaration is required and the application must name as inventors the same or less than all the inventors in the prior application." 37 CFR 1.60(c) (dealing with the continuation situation).

(complete applicable item (a), (b) and/or (c) below)

(a)	This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above and the inventor(s) in this application are	
		the same.
		less than those named in the prior application. It is requested that the following inventor(s) identified for the prior application be deleted:
		(type name(s) of inventor(s) to be deleted)
(b)	This application discloses and claims additional disclosure by amendment and a new declaration or oath is being filed. With respect to the prior application, the inventor(s) in this application are	
		the same.
		the following additional inventor(s) have been added:
		(type name(s) of inventor(s) to be added)
(c)	The	inventorship for all the claims in this application are
		the same.
		not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made
		is submitted.
		☐ will be submitted.



is being filed in the parent application, from which this application claims priority under 35 U.S.C. § 120.

Added Pages for Application Transmittal Where Benefit of Prior U.S. Application(s) Claimed

[4-1.1]—page 5 of 5)



See Related Applications

Added page _____